

**Department of Public Works and Transportation
Montgomery County, Maryland**

DIVISION OF SOLID WASTE SERVICES



Business Recycling/SORRT Program staff hold a series of workshops on setting-up, maintaining and expanding successful recycling programs for businesses and property owners and managers. This workshop was held at the Bauer Drive Community Center.

***MONTHLY REPORT
MARCH 2001***



Printed on Recycled and Recyclable Paper

TABLE OF CONTENTS

OVERVIEW	3
CITIZEN COMMITTEES	4
COLLECTIONS.....	4
WASTE MINIMIZATION	5
HAZARDOUS WASTE PROGRAMS	6
AIR PERMITS AND ENVIRONMENTAL PROGRAMS	6
RECYCLING.....	7
PILOT PROGRAMS	9
FACILITY ACTIVITIES.....	9
GENERAL INFORMATION	12
SOLID WASTE FACTS IN A NUTSHELL	13
GLOSSARY OF ACRONYMS	14

OVERVIEW

Tonnage at a Glance

The following table shows key material flows during the current month, fiscal year to date (FY Total), and current calendar month in the two prior fiscal years. (County fiscal year 2001 began July 1, 2000.)

FACILITY	Mar FY 01	FY 01 Total	Mar FY 00	Mar FY 99
Materials Recovery Facility ⁽¹⁾	6,233 tons	58,799 tons	5,817 tons	4,904 tons
Brunswick Landfill Facility ⁽⁴⁾	13,010 tons	109,101 tons	12,679 tons	12,417 tons
American Ash Recycling ⁽²⁾	3,122 tons	26,044 tons	3,464 tons	N/A
Resource Recovery Facility ⁽³⁾	43,531 tons	385,613 tons	42,533 tons	35,229 tons
Yard Trim Compost Facility	2,873 tons	42,167 tons	2,456 tons	1,241 tons

⁽¹⁾For FY00, MRF tons reported are outgoing. For previous years, incoming was reported.

⁽²⁾Tons shipped out to ash recycling facility during the indicated period. All tons so shipped are recycled.

⁽³⁾RRF tonnage refers to tons burned (processed). Waste shipped from the Transfer Station but not burned is in the pit and is not included in the tonnage presented here. For FY01 these tonnages are preliminary, with adjustments made in the December and June monthly reports.

⁽⁴⁾This category only addresses waste sent to the landfill for disposal. It does not include rubble that is recycled at Clean Rock or other locations.

Revenue Analysis and Systems Evaluation – During March, program staff:

- Continued to provide support to the budget process
- Provided internal review of monthly tonnage numbers
- Continued compiling data from six-month hauler reports received
- Conducted field audits of hauler reported data
- Assisted outside consultants in independent review of the Rate Model, Fiscal Health Spreadsheets, and Engineer's Long-Term Facilities Report
- Handled routine level of solid waste billing inquiries
- Continued work on developing a new hauler billing system
- Redrafted variable rate options and circulated for internal and Task Force reviews
- Continued updating property billing database, corrected over 50 accounts
- Worked with State Department of Assessments and Taxation and County Finance to ready database for third quarter billing

CITIZEN COMMITTEES

Facilities Implementation Group – The next scheduled FIG meeting is 7:30 p.m., May 15, 2001, at the Gothic Barn. Staff will discuss quantifying the remaining County obligations under the Master Plan. M-NCPPC will discuss the proposed equestrian trail in Dickerson.

Sugarloaf Citizens Association – The County met on March 22, 2001, with SCA for their semi-annual meeting.

Solid Waste Advisory Committee – met Thursday, March 22, 2001, at the EOB 6th Floor Conference Room. Twelve SWAC members, eight County staff and one guest were in attendance. Staff presented the Division's FY02 County Executive Recommended Operating Budget. SWAC is forwarding the Montgomery County Council its comments and recommendations on the DSWS portion of the County Executive's Operating Budget Submission.

Oaks Landfill Advisory Commission – OLAC held its last regularly scheduled meeting on March 27, 2001. Al Genetti and Art Balmer commended OLAC for their work and contributions. The opening of the trail system at the closed landfill is tentatively scheduled for June.

COLLECTIONS

Refuse – Refuse collection went as scheduled with no disruptions in service.

Recycling – Mixed paper tonnage for the residential program during the period of February 19, 2001 through March 16, 2001 was 9.40 lbs. per household.

Contractor Performance – Only three complaints were not resolved by the contractors in March; all were corrected by the County. During March DSWS received 389 complaints; this represents a 9.27% increase from March 2000.

Enforcement Actions – Twenty-two citations were issued for violations of the County's Solid Waste Laws:

Eight citations	Not having a suitable tight fitting cover	\$4,250
Five citations	Not having a valid collector's tag attached to the vehicle	\$3,250
Eight citations	Collecting solid waste before 7 a.m.	\$4,750
One citation	Not having a valid collector's license	\$500

Six NOV's issued:

Two NOV's	Not having loads covered
Three NOV's	Dumping or leaving solid waste on public or private property
One NOV	Vehicle found to be in an unsafe physical or mechanical condition

Thirty-four citations were issued as part of an ongoing investigation in the Dawsonville area:

Fourteen citations	Depositing or leaving solid waste on property other than a solid waste acceptance facility	\$7,000
Fourteen citations	Improperly stored and/or permitted solid waste to accumulate	\$7,000
Six citations	Permitting the storage of vehicles in a state of disrepair or dysfunction	\$3,000

Collections staff assisted the County Police Department in apprehending a fugitive from justice who had several warrants outstanding and no valid driver's license. Two collection vehicles were stopped and found to have a non-CDL driver operating the vehicle: one driver was stopped for collecting before 7 a.m. and the other was entering the Transfer Station. The County Police were notified and citations were issued by the police officer.

Customer Service – DSWS received 5,683 incoming calls with 356 follow-up calls as a quality control check. Blue bins delivered: 1,405; e-mail requests handled: 243.

Volunteer Activities- Volunteers participated in:

- Two HHW collections (Shady Grove and Silver Spring)
- Gaithersburg City parade for St. Patrick's Day;
- Montgomery Village Middle School presentation
- An evening educational program, 'Behind the Scenes'

WASTE MINIMIZATION

Drop-off Programs – An ad promoting drop-off recycling services appeared in the Gazette and the Journal.

The new computer recycling program that will allow receipt of computers and computer-related equipment seven days a week began on March 12. The program was announced via press releases, postings on the County web site and notices to various organizations, such as the National Recycling Coalition. Approximately 22 tons of computers were recycled in March.

Department of Environmental Protection's Home Composting and Source Reduction Activities- Vermilab training was held for teachers from more than 12 County schools at Watkins Mill High School. The training also recruited schools to set up composting demonstration areas, large scale vermicomposting operations for cafeteria food scraps, and natural landscaping displays.

Envirothon training for Montgomery County students at the Agricultural History Farm Park. Envirothon is a national competition; training prepares teams of students from schools across the county to compete first on the state level and then nationally. The 2001 competition addresses urban nonpoint source pollution, with significant impacts

from lawn and garden care. Key elements of the training were grasscycling, composting, mulching, waste reduction, landscape alteration, lawn reduction, Integrated Pest Management, household hazardous waste management, and recycling. The training curriculum can be viewed online as a PowerPoint presentation at askDEP.com/envirothon.

Display advertising in the Gazette and Journal Newspapers continues, as does the Green Man column in the Gazette.

Earth Day Action Kits (covering activities and recommended actions for the entire month of April) are available on-line and are being mailed out upon request. In addition to other environmental issues, the Action Kit contains information on composting, natural lawn and garden care, and grasscycling.

HAZARDOUS WASTE PROGRAMS

Household Hazardous Waste Collection – Two HHW events were held in March (Transfer Station and Silver Spring Parking Lot #2); 795 patrons and 175 patrons participated at the two events, respectively. The next scheduled HHW event is April 1, 2001 at the Transfer Station.

Small Quantity Generator (Ecowise) Program- One Ecowise event was held in March; nine companies attended.

AIR PERMITS AND ENVIRONMENTAL PROGRAMS

Resource Recovery Facility (RRF): CEM Tracking of RRF Operations – Continuous Emissions Monitoring System (CEMS) indicated that units 1 and 3 were operating until March 7 when unit #2 was also brought online at midnight. All three units were operated until March 11 when unit #3 was brought offline at 11 p.m. Thereafter, units 1 and 2 have been operating continuously at nearly 100% load. At 7 a.m. on March 1, unit 3 turbine tripped. The CEMS reading of one-hour CO on unit #3 reached 287 parts per million because of equipment malfunction.

Covant Energy prepared a draft of the annual emissions certification report for the year 2000. DSWS reviewed the report and communicated the Division's comments to Covant. The deadline for submission to the Maryland Department of Environment (MDE) was April 1, 2001. No equipment malfunctions affected unit operations or stack emissions in March.

DSWS did not receive the Title V draft Permit from MDE.

The set of 10 CEMS CD-ROM's was updated to include CEMS data through February 28, 2001. Copies of the CD-ROM's were placed in the Rockville and Poolesville libraries and distributed to DSWS staff, SWAC and FIG.

Oaks Landfill Energy Recovery Facility: Leachate Evaporation Technology –

The Leachate Thermal Treatment System (LTTS) only operated during the first week. On March 8, the facility was shutdown because some internal parts of the blower broke. By month end, BENTECH was still waiting to receive the parts from the blower manufacturer. Meanwhile, the facility remains shut.

Bentech is still continuing negotiations with electric companies for implementing an electricity-generating project. DSWS understands Bentech is currently negotiating with Southern Energy. The negotiation process may take several months.

Yard Trim Composting Facility: Consent Agreement Evaluation – DSWS awaits communication from MDE for scheduling a meeting to discuss future actions. Under the Consent Agreement (which runs June 1, 2000 to June 1, 2001) the facility will have to comply with the Discharge Permit Limits until the Agreement expires.

FIG Air Quality Subcommittee - ENSR submitted a draft scope and costs for conducting non-air media monitoring in 2001 summer. Discussions are ongoing with ENSR for the site selection process. DSWS and ENSR will visit potential sampling sites in late spring. As per FIG's recommendations, hay, milk and fish (if available) will be sampled for analysis.

Contractual Work – ENSR is continuing to analyze the stack emissions data received from Ogden's Contractors. ENSR's emissions group and health risk group started to prepare a draft scope of work for submission to the County. This document is expected by the end of April.

Weston submitted the final report on the data sampled on the walls of the RRF and the Transfer Station.

RAS contract expires in June 2001. An amendment to extend the contract for another year is under preparation.

RECYCLING

Public Outreach – To celebrate Earth Day, the Division is having a recycling event on Saturday, April 21 from 11 a.m. to 3 p.m. on the lawn at 850 Hungerford Drive. The rain location is the EOB cafeteria. There will be exhibits on waste reduction, recycling, reuse, composting, household hazardous waste, buying recycled products and other topics. There will also be hands-on activities such as craft making from recyclable materials, and recycling games. In addition, there will be lots of entertainment and refreshments available.

The awareness campaign on recycling continues—its focus is on the fact that everybody's day-to-day recycling efforts really do amount to a lot. The campaign depicts that the materials people put out in their recycling bins are actually recycled,

and come back to us in the form of other useful products. The campaign includes: print, television, radio, and transit advertising.

The new RFP for Recycling/Solid Waste Public Outreach and Education is under review.

The update to the 50 Percent Recycling Plan was transmitted by the County Executive to the County Council.

Also, DSWS continues working closely DFS, MCPS, several property management companies, and others to improve recycling awareness and activity. Staff is involved in many activities and events in the community to increase recycling awareness.

Commercial Recycling and Waste Reduction-- Staff continues to get inundated with completed business annual reports and short recycling forms. The reports are helpful in documenting underreported and unreported recycling information and identifying those businesses that need assistance.

There has been a significant increase in the number of phone calls from businesses with inquiries about the business recycling requirements or the report forms.

Staff continued to deliver customized service to the business sector. Staff visited all 186 MCPS school facilities and evaluated the recycling programs at each school. Written evaluations, with point scores, letter grades, and specific recommendations on how the school can earn an A+ grade are being prepared. These evaluations will be provided to each principal and school recycling coordinator, and to Dick Hawes, Director of the Department of Facilities Management for MCPS.

In addition, the media campaign reminding businesses in the County of the regulatory requirements continues airing. The awareness campaign has resulted in a large number of inquiries, and has spurred people to report on businesses that are not in compliance with the regulation. Another campaign, explaining what the SORRT Program can do for businesses, will begin airing shortly.

Multi-Family Recycling- Staff continued to perform on-site evaluations of recycling programs and work with property managers and residents to provide assistance and support. Assistance to properties that are not in compliance with the County's regulation continues.

Annual recycling reports for 2000 were sent out to all properties in the beginning of March and are due on April 30, 2001. The first issue of the TRRAC newsletter was mailed to all property management companies and on-site property managers in mid-March. Eighteen orders for educational materials, such as the recycling do's and don'ts poster and labels for recycling containers, were filled. Staff participated at the Month of the Young Child Celebration at Lake Forest Mall on March 31, 2001, and distributed recycling information and answered questions from children and adults.

Mixed Paper Recycling- Mixed paper is a major subject included in the new multi-media advertising campaign. Staff continues monitoring the amount of mixed paper recycled in each area to troubleshoot and provide additional education to low performance areas. Several initiatives are underway to serve under-performing areas, including developing and distributing additional educational materials in English as well as other languages, having community events where staff can provide additional recycling outreach and educational materials, etc.

PILOT PROGRAMS

Mixed Paper Pilot – There is no change in the status of the pilot programs. The IFB to purchase 900 toters is out, and we will be receiving bids soon.

Tubgrinding Pilot – Tubgrinding of screened reject material began on August 22, 2000, and ended at the end of September 2000 with 5,205 yards of material being processed. In March 5,529 yards of material was processed.

Ash Recycling Pilot – Ash recycling continues without incident.

FACILITY ACTIVITIES

Resource Recovery Facility – On March 1, unit #3 tripped off-line due to a failed boiler-control fuse. Upon failure of the fuse, control power was lost to the boiler fans and a false signal for high water level in the steam drum caused the turbine to trip off-line. After replacing the fuse, the unit was brought back on-line and the turbine was synchronized and re-connected to the grid. The turbine was off-line for approximately 45 minutes. On March 8th, unit #2 was brought on-line. Unit #3 was removed from service for scheduled outage March 11. For every other day of March, two boilers operated.

Scheduled outage work began on unit #3, including inspection and repair of grate bars and insulation tiles. The boiler was UT tested and minor repairs made throughout. A UT report will be completed in April.

No minimum or maximum utility generation alerts.

No reportable air or water quality environmental excursions.

The following reports were submitted:

- February Water Supply Report to MDE.
- Annual Emissions Certification and Air Toxics Inventory to MDE.
- Prepared NPDES permit renewal application.
- First Quarter 2001 drinking water monitoring results to MDE.
- Final report to MDE on elevated opacity readings when unit #2 was off line.
- Updated County CD-ROM's emission data.

Thirty-seven people toured the Facility: 17 from the Industrial College of the Armed Forces and 20 from DSWS "Behind the Scenes" program.

Materials Recovery Facility- Approximately 1,520 tons of commingled material was shipped out after processing, and approximately 4,713 tons of mixed paper was loaded out and transferred to the Office Paper Systems processing facility.

The contractor continued with the construction of the building expansion.

The acceptance test report for the mixed paper facility was approved.

Potomac Inc. completed a significant portion of their work in updating display information at the Recycling Center. The photo shoot to update recycling photos displayed at the Recycling Center was rescheduled for mid-April at the County's request to take advantage of spring weather.

Oaks Landfill - Cherry Hill Construction, the contractor for the Phase I closure construction, did not work in March because the wet weather was not suitable for completion of the remaining items. A couple weeks of finishing work, including final grading and compaction of perimeter roads and final grading and seeding of topsoil in the last construction area, are scheduled to be performed in April provided the site is sufficiently dry for the work to be performed.

The Post-Closure Care Plan for the 30-Year post-closure period at the Oaks Landfill is under review by MDE.

URS submitted a draft Storm Water Pollution Prevention Plan for the Oaks Landfill to the County for review.

Gude Landfill – Planting of live stakes was performed in two areas where stream stabilization and erosion repairs were completed.

URS submitted a draft Storm Water Pollution Prevention Plan for the Gude Landfill to the County for review.

Transfer Station – Ogden Martin shipped via rail 43,516 tons of processible waste from the Transfer Station to the RRF, 697 more tons than shipped in March 2000.

Litter was collected by MES along Shady Grove Road from Route 355 to the intersection with Muncaster Mill Road.

Repairs were made to a section of the tipping floor.

A permanent tarping station was completed.

Site 2 Landfill Properties – The second phase of work for the Chiswell farm is ongoing. Meetings were held at the site with representatives from Montgomery County

Historic Preservation Commission and M-NCPP. Discussions were initiated with the County's Department of Permitting Services.

Solid Waste Facilities Master Plan – A second draft of a ten-year Master Plan expenditure was presented to the County Council's T&E Committee meeting. Staff is working with FIG and SCA to quantify the remaining obligations in the Plan and other documents.

Yard Trim Compost Facility – The Dickerson yard trim facility received 2,851 tons of leaves for composting; 3,378 yards of Leafgro were sold in bulk.

Bagging Operation - In March, no bags of leafgro were produced and 30,304 bags were shipped to distributors.

Linden Farm Renovations - Under the signed bagging agreement, the County is to renovate the Feed Barn and Bank Barn by June 2001. A contract with Dean Fitzgerald is expected to be signed in April to start the renovation work.

Out-of-County Haul

Brunswick County, Virginia - Approximately 9,163 tons of ash residue and 3,847 tons of nonprocessable waste were transported to the County's dedicated disposal cell at the Brunswick Waste Management Facility, Inc. Landfill in Brunswick County, Virginia; approximately 2,017 tons of rubble were recycled at Clean Rock. Additional trucking resources were brought in to help manage the unusually large volume of rubble received in March.

York, Pennsylvania –In March, 3,122 tons of ash residue (back hauled by rail from the RRF) were shipped from the Transfer Station to American Ash Recycling in York, Pennsylvania to be recycled into aggregate.

GENERAL INFORMATION

Important Telephone Numbers

General information on solid waste	240-777-6400
Customer Service	240-777-6410
Transfer Station	301-840-2370
Materials Recovery Facility	301-417-1447 (MES)
Resource Recovery Facility	240-777-6439 (County Office) 301-916-3031 (Ogden Martin Systems of Montgomery County)
Yard Trim Compost Facility	301-428-8185
Internet for DSWS	www.MCRecycles.org

Note: All comments, questions, and suggestions on the contents of this report should be addressed to:

Theresa Souders
Department of Public Works and Transportation
Division of Solid Waste Services
101 Monroe Street, 6th Floor
Rockville, MD 20850
Tel: 240-777-6425
Fax: 240-777-6465
E-mail: soudet@co.mo.md.us

SOLID WASTE FACTS IN A NUTSHELL

<i>TOPIC OR FACILITY</i>	
Current Recycling Rate in Montgomery County	36.5%
Recycling Goal	50%
New Recycling Programs Scheduled for FY 01	Residential Mixed Paper Collection is now available countywide
Resource Recovery Facility (RRF)	Guaranteed Capacity = 85% of 1800 tpd on an annual basis (558,450 tons/yr).
Yard Trim Composting Facility (DCF)	Operations Limited to Receipt of 77,000 tons/year under Sugarloaf Settlement Agreement. FY00 tons received- 58,602
# Residences receiving trash collection by County contractors	83,521
# Residences receiving collection of recyclables in blue bins and yard waste collection	198,422
Term of out-of-county waste transportation and disposal contract with Brunswick Waste Management Facility, Inc.	June 19, 1997 through June 30, 2012 with an option for a five-year renewal. (Service started on October 20, 1997.)

GLOSSARY OF ACRONYMS

AAR	American Ash Recycling, Inc.
APC	Air Pollution Control
ASME	American Society of Mechanical Engineers
BFI	Browning Ferris Industries
CDL	Commercial Driver's License
CEMS	Continuous Emissions Monitoring System
CIP	Capital Improvements Program
COG	Metropolitan Washington Council of Governments
CSX	Chesapeake Transportation Systems
DEP	Department of Environmental Protection
DFS	Division of Facilities and Services
DSWS	Division of Solid Waste Services
EPA	Environmental Protection Agency
FIG	Facilities Implementation Group
HCFA	Health Care Financing Administration
HHW	Household Hazardous Waste
IFB	Invitation For Bid
LTTS	Leachate Thermal Treatment System
MCPS	Montgomery County Public Schools
MDE	Maryland Department of Environment
MES	Maryland Environmental Service
mg/l	milligrams per liter
M-NCPPC	Maryland National Capital Park and Planning Commission
MRF	Materials Recovery Facility
MWh	Mega Watt hours
NOV	Notice of Violation
NPDES	National Pollution Discharge Elimination System
NTP	Notice to Proceed
OLAC	Oaks Landfill Advisory Commission
OMB	Office of Management and Budget
PEPCO	Potomac Electric Power Company
PSA	Public Service Announcement
RFP	Request for Proposal
ROL	Reduced Operating Level
RRF	Resource Recovery Facility
SCA	Sugarloaf Citizens Association
SORRT	Smart Organizations Reduce and Recycle Tons
SWAC	Solid Waste Advisory Committee
TCLP	Toxic Characteristic Leaching Procedure
TPD	Tons Per Day
T.R.R.A.C.	Think Reduce and Recycle at Apartments and Condominiums
UT	Ultra-sonic Testing
WM	Waste Management
YTCF	Yard Trim Composting Facility